

description unit described in a programming language other than the SDL, and an adapter having a pseudo internal signal generator and a queue manager, and an operating system, the method comprising the steps of:

connecting the SDL execution unit and the external environment description unit to each other through the adapter so that signals containing at least one of messages, events and parameters may be exchanged between the SDL execution unit and the external environment description unit through the adapter;

assigning a single task by the operating system to the external environment description unit without assigning a separate task by the operating system to the SDL execution unit; and

executing the task so that the pseudo internal signal generator may convert and transfer the signals between SDL execution unit and the external environment description unit.

**3. (Amended)** An information processing apparatus for processing information under the control of a task assigned by an operation system, comprising:

an SDL execution unit described in a specification and description language (SDL);

an external environment description unit described in a programming language other than SDL; and

an adapter for connecting the SDL execution unit described in (SDL) and the external environment description unit described in a programming language other than the SDL to each other so that signals may be transferred between the SDL execution unit and the external environment description unit through the adapter under a single task assigned by the operation system to the external environment description unit, the adapter having: